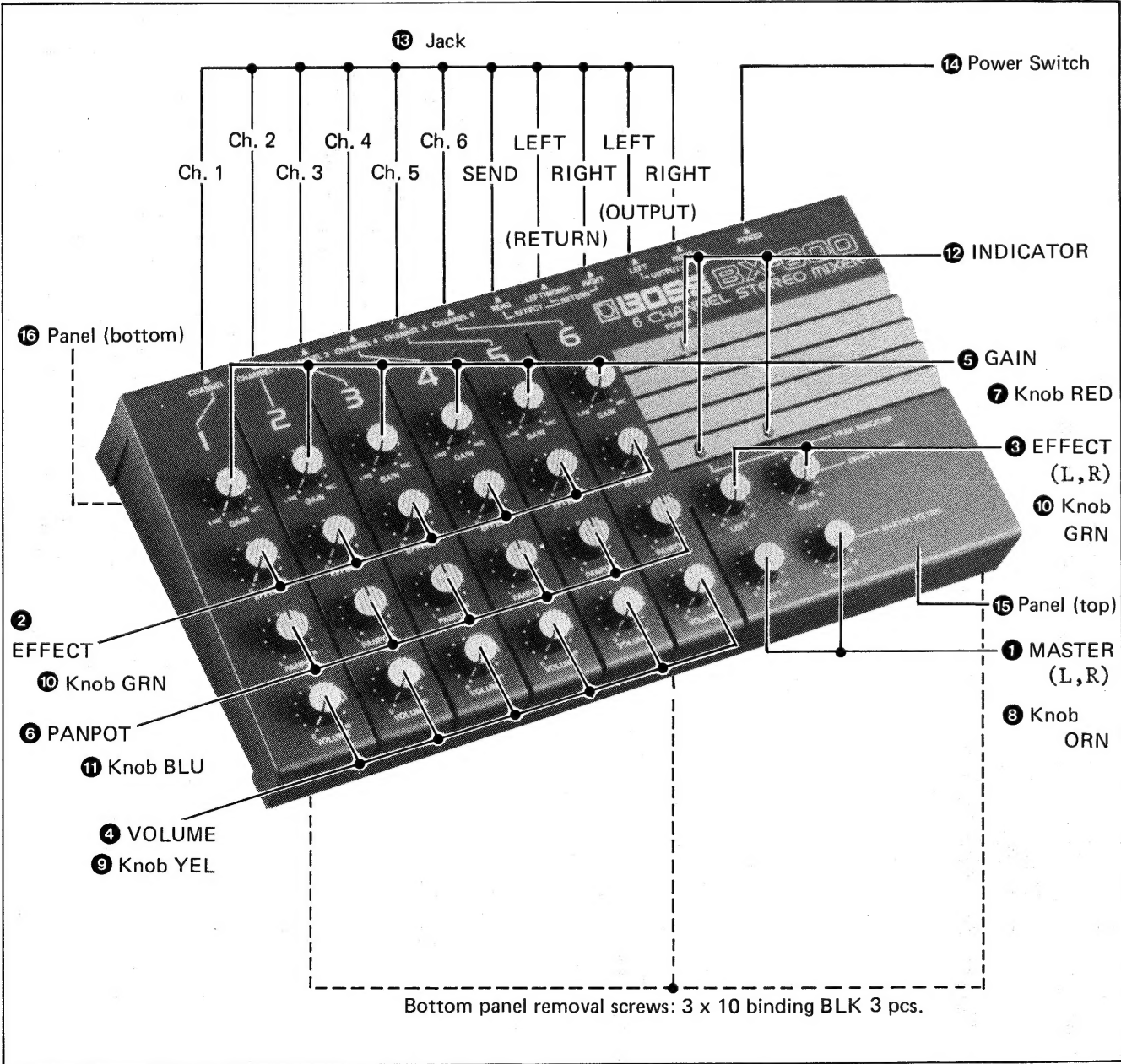


BOSS BX-600 SERVICE NOTES

First Edition

SPECIFICATIONS

Input sensitivity	: -51dBm	Frequency response	: -3dB, 10Hz to 35kHz
Input impedance	: 1.5kΩ-200kΩ	Crosstalk	: More than 75dB
L/R output level	: Rated +4dBm (1.2Vrms)		(between channels)
	: Max +21dBm (9Vrms)		More than 55dB
Load impedance	: More than 10kΩ		(between left and right)
Effect send out	: Rated : +3dBm	Power source	: 100/117/220/240V
	Max : +21dBm		AC 50/60Hz
Load impedance	: More than 10kΩ	Power consumption	: 4W
Effect return		Dimesions	: 280(W) x 60(H) x 155(D) mm
Input sensitivity	: -30dBm		11(W) x 2 3/8(H) x 6 1/8(D) in.
Input impedance	: 47kΩ-300kΩ	Weight	: 1.2kg / 2 lb. 6 oz.
Equivalent input noise	: -113dB (MIC input) IHF-A		



PARTS LIST

22450365U0	Power transformer
15 2201063800	Panel (top)
16 2202023400	Panel (bottom)

PCB

7113751001	Main MT-1 (pcb 2291085600)
7113753001	Power PS-1 (pcb 2291085600)
Three versions are available: 100,117V and 220/240V.	
Must be specified when ordering.	

POTENTIOMETER

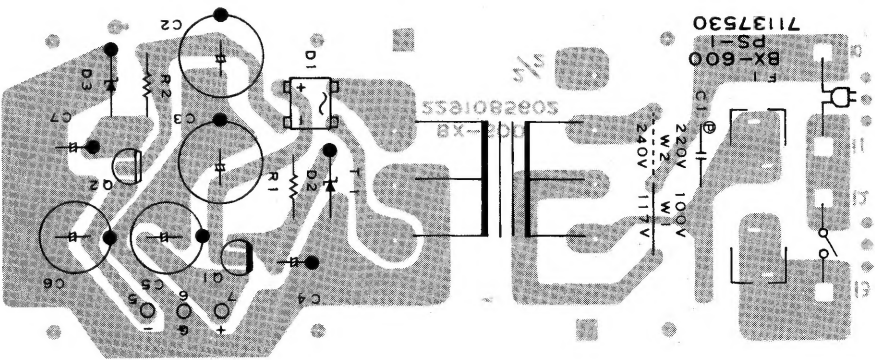
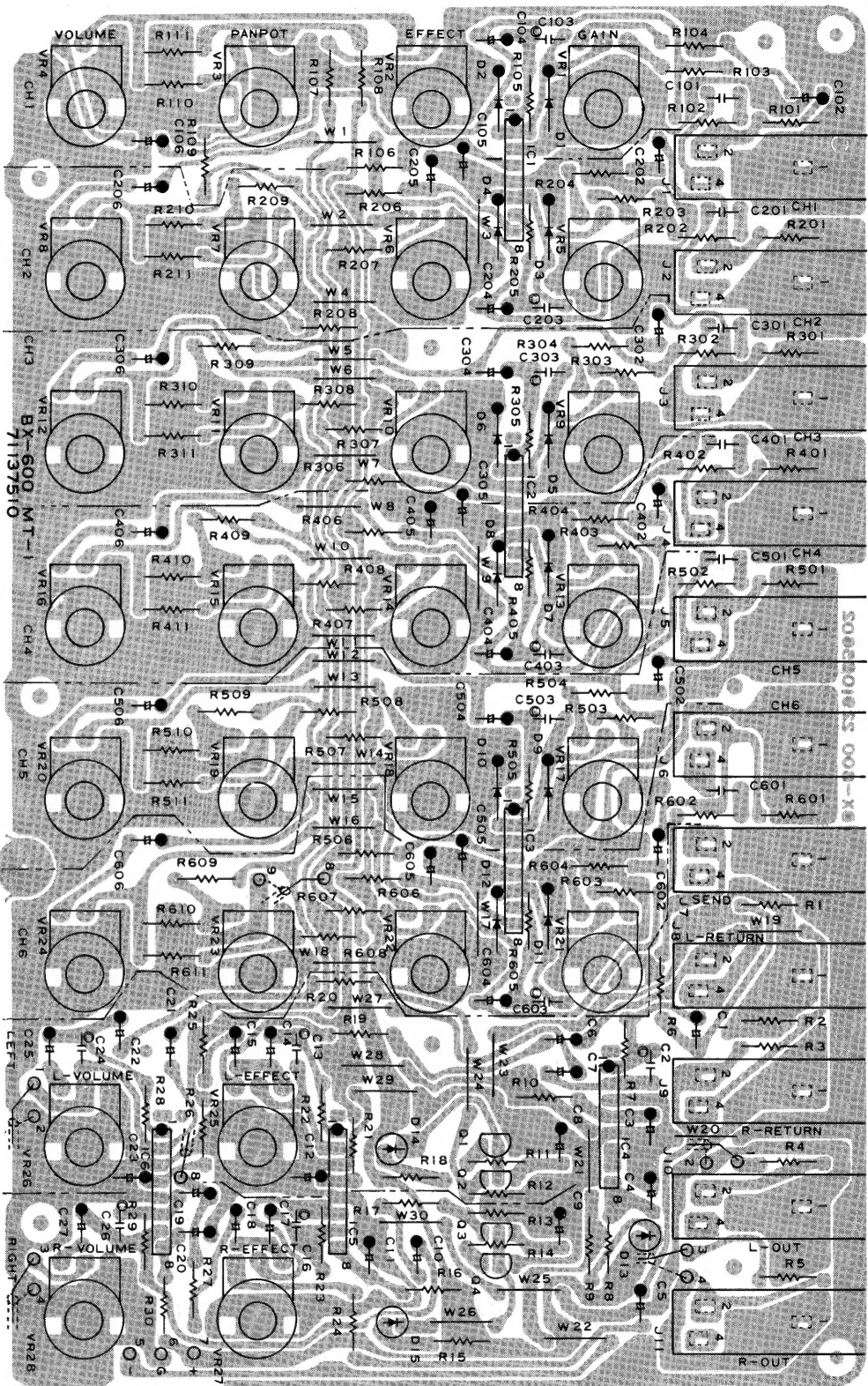
1 13279743	EVJFOAF25A14 10KA	MASTER (L,R)
2 13279744	EVJFOAF25A54 50KA	EFFECT
3 13279745	EVJFOAF25AF5 250KA	EFFECT (L,R)
4 13279746	EVJFOAF25B14 10KB	VOLUME
5 13279731	EVJFADF25CF5 250KC	GAIN
6 13279747	EVJFKAF25B14 10KB	PANPOT
KNOB		
7 2247029700	RED	GAIN
8 2247029800	ORN	MASTER (L,R)
9 2247029900	YEL	VOLUME
10 2247030000	GRN	EFFECT, EFFECT (L,R)
11 2247030100	BLU	PANPOT

SEMICONDUCTOR

15189136	M5218L	IC
15129108	2SC945-P	Tr
15129602	2SD667-C	Tr
15119602	2SB647-C	Tr
15019120	1S2473-T77	Di
15019654	RD-16EB-2-T	zener
15019260	1G4B42	rectifier bridge
12 15029128	GL-9PR-2	LED

OTHERS

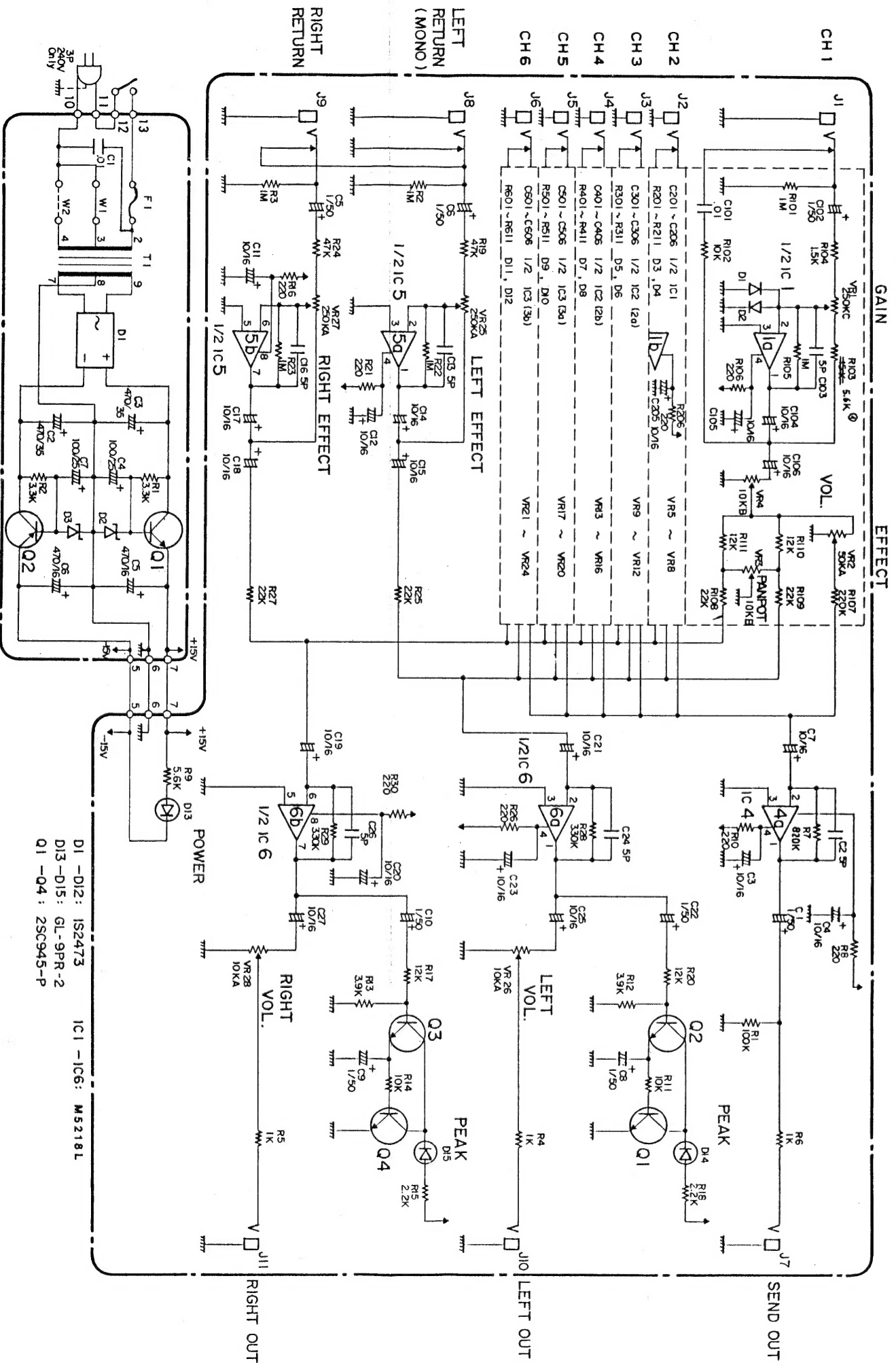
12199542	SN5057 Fuse holder	
12559351	SGC-0.1A Fuse	100/117V
12559522	CEE-T40mA Fuse	220/240V
13549884M0	ECQ-M6103MZ C1	100V
13589464	ECQ-V1A103MH C1	117V
13589455M0	ECQ-U2A103MF C1	220/240V
13 13449133	HLJ-0521-01-110 Jack	
14 13149102	MARQU-ARDT	power switch
	1801, 0121	
12369410	1702B Line cord strain relief	
2225021400	Shield sheet	
2219043000	pcb Holder PS-1	
2235012000	Rubber foot	



MAIN BOARD MT-1 7113751001
(pcb 2291085600)

POWER BOARD
PS-1 7113753001
(pcb 2291085600)

CIRCUIT DIAGRAM



Jumper	100/117V	220/240V
C1	ECO-U1A103MH	ECO-U2A103MF
F1	SGC 0.1A	CEE T40mA

PS-1 is divided into three voltage versions.
When replacing, confirm the following.

D1: 1G4B42
D2, D3: RO16EB-2
F1: 100V, 117V
Q1: 2SD667-C
Q2: 2SB647-C
SGC 0.1A 220V, 240V
W1: 100V, 117V
W2: 220V, 240V
CEE 40mA

D1-D12: 1S2473
D13-D15: GL-9PR-2
D1-Q4: 2SC945-P
IC1-IC6: M52181

Power transformer
Secondary rating: 22-27V DC x 2 @30mA